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Companies named: MICHELIN RECHERCHE ET TECHNIQUE S.A.

TITLE: CROWN REINFORCEMENT FOR AN OFF-THE-ROAD TIRE

Abstract

Tire for heavy off-the-road vehicles comprising a radial carcass reinforcement (1) anchored in each bead to an annular bead reinforcement element (2), and radially above it a crown reinforcement (3) consisting of at least two working crown plies (320, 321) of inextensible metallic cables crossed from one ply (320) to the next (321), the said plies having widths at least equal to 50% of the width L of the tread (4) and, radially above these, two protection crown plies (330, 331) of so-termed elastic metallic cables crossed from one ply (330) to the next (331), the tread (4) comprising in its ungrooved portion of thickness D at least one armature (34) of reinforcement elements, wherein the said armature (34) is composed of at least two layers (340, 341) of textile monofilaments parallel to one another in each layer, the axial widths of the said two layers (340, 341) being at least equal to the width of the narrower working ply (321).

FIG. 1